

Applicant: Daijiro Murata, et al.

Title: Project Management Method and Project Management System

Atty Docket No. 16869S-040200

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FIG. 1

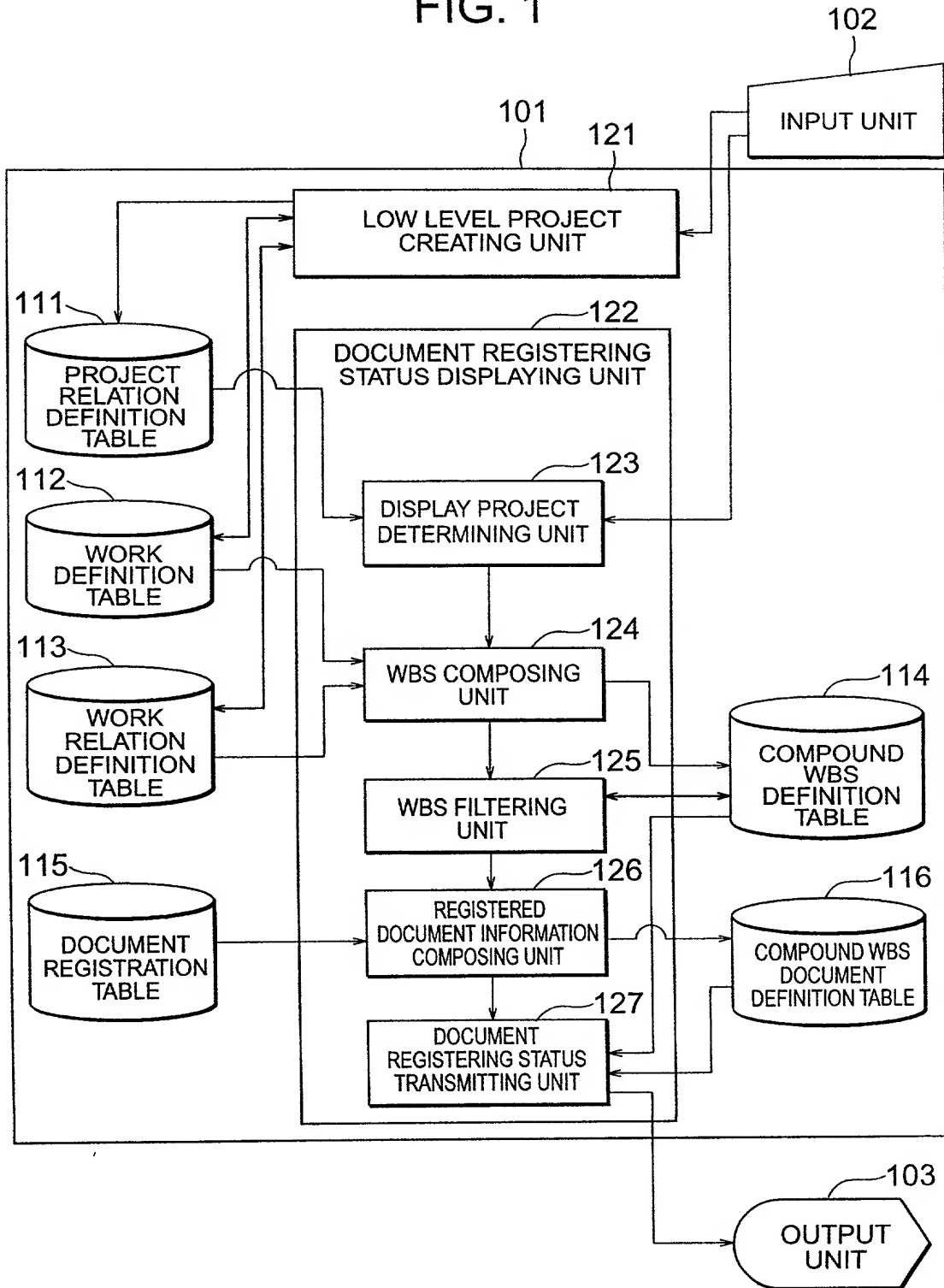
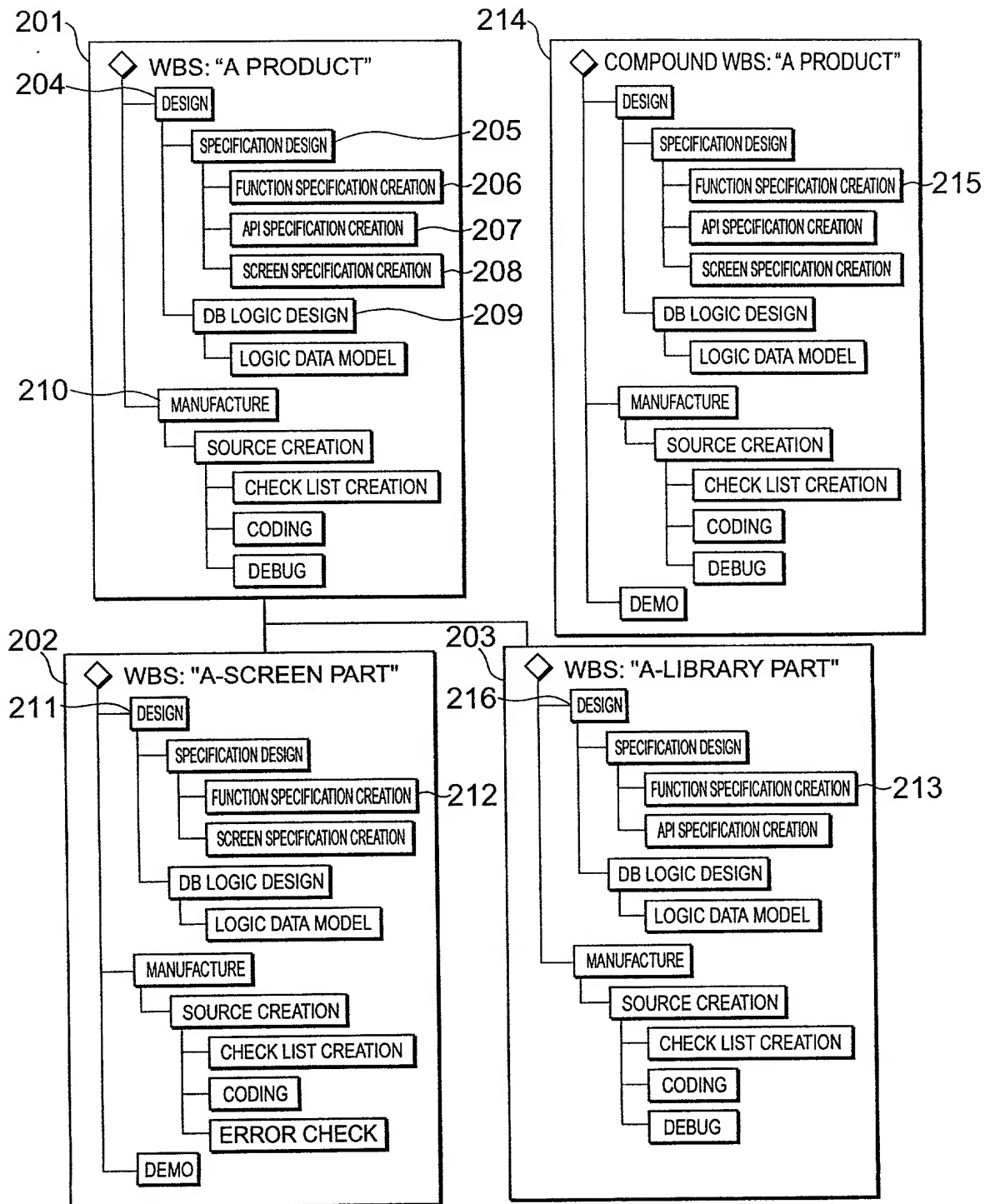


FIG. 2



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**FIG. 3**

**PROJECT RELATION DEFINITION TABLE 111**

301		302	
HIGH LEVEL PROJECT ID NAME	LOW LEVEL PROJECT ID NAME		
A PRODUCT	A - SCREEN PART	303	
A PRODUCT	A - LIBRARY PART	304	
B PRODUCT	B - SCREEN PART		
B PRODUCT	B - LIBRARY PART		
B-SCREEN PART	B-DESIGN PART FOR X COMPANY		
B-SCREEN PART	B-DESIGN PART FOR Y COMPANY		
B-DESIGN PART FOR X COMPANY	B - I IMAGE CREATION		

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## FIG. 4

WORK DEFINITION TABLE 112

401 WORK ID	402 WORK NAME	403 PROJECT ID NAME	404 HIGH LEVEL WORK ID	405 MAN DAY	406 PROGRESS DEGREE (%)	407 START DATE	408 SCHEDULE DAYS	409 PASSAGE DAYS	410 PERSON IN CHARGE
1	DESIGN	A PRODUCT	0	0	0	2000/11/23	12	12	KIMURA
2	SPECIFICATION DESIGN	A PRODUCT	1	0	0	2000/11/23	5	5	KIMURA
3	FUNCTION SPECIFICATION CREATION	A PRODUCT	2	2	100	2000/11/23	2	1	KIMURA
4	API SPECIFICATION CREATION	A PRODUCT	2	3	100	2000/11/25	3	4	KIMURA
5	SCREEN SPECIFICATION CREATION	A PRODUCT	2	7	100	2000/11/28	7	8	KIMURA
6	DB LOGIC DESIGN	A PRODUCT	1	0	0	2000/11/23	12	10	KIMURA
7	LOGIC DATA MODEL	A PRODUCT	6	12	100	2000/11/23	12	10	TANAKA
8	MANUFACTURE	A PRODUCT	0	0	0	2000/12/5	21	2	TANAKA
9	SOURCE CREATION	A PRODUCT	8	9	20	2000/12/5	21	2	SUZUKI
10	CHECK LIST CREATION	A PRODUCT	9	6	60	2000/12/5	6	2	SUZUKI
11	CODING	A PRODUCT	9	9	0	2000/12/5	9	0	SUZUKI
12	DEBUG	A PRODUCT	9	6	0	2000/12/20	6	0	SUZUKI
13	DESIGN	A SCREEN PART	0	0	0	2000/11/23	12	12	SAITOU
14	SPECIFICATION DESIGN	A SCREEN PART	13	0	0	2000/11/23	5	5	SAITOU
15	FUNCTION SPECIFICATION CREATION	A SCREEN PART	14	2	100	2000/11/23	2	2	SAITOU
16	SCREEN SPECIFICATION CREATION	A SCREEN PART	14	4	100	2000/11/28	4	4	SAITOU
17	MANUFACTURE	A SCREEN PART	0	0	0	2000/12/5	21	2	OKAZAKI
18	SOURCE CREATION	A SCREEN PART	17	0	0	2000/12/5	21	2	OKAZAKI
19	CHECK LIST CREATION	A SCREEN PART	18	3	10	2000/12/5	3	2	OKAZAKI
20	CODING	A SCREEN PART	18	9	10	2000/12/5	9	0	OKAZAKI
21	ERROR CHECK	A SCREEN PART	18	6	0	2000/12/20	6	0	OKAZAKI
22	DEMO	A SCREEN PART	0	1	0	2000/12/20	1	0	OKAZAKI
23	DESIGN	A LIBRARY PART	0	0	0	2000/11/23	12	12	TANAKA
24	SPECIFICATION DESIGN	A LIBRARY PART	23	0	0	2000/11/23	5	5	TANAKA
25	FUNCTION SPECIFICATION CREATION	A LIBRARY PART	24	2	100	2000/11/23	2	2	TANAKA
26	API SPECIFICATION CREATION	A LIBRARY PART	24	4	100	2000/11/25	4	4	TANAKA
27	MANUFACTURE	A LIBRARY PART	0	0	0	2000/12/5	21	2	KONDOU
28	SOURCE CREATION	A LIBRARY PART	27	0	0	2000/12/5	21	2	KONDOU
29	CHECK LIST CREATION	A LIBRARY PART	28	1	20	2000/12/5	1	2	KONDOU
30	CODING	A LIBRARY PART	28	9	0	2000/12/5	9	0	KONDOU
31	DEBUG	A LIBRARY PART	28	6	0	2000/12/20	6	0	KONDOU

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## FIG. 5

WORK RELATION DEFINITION TABLE 113

501	502	503	WORK ID	UPPER MASTER WORK ID	UPPERMOST MASTER WORK ID
			1	1	1
			2	2	2
			3	3	3
			4	4	4
			5	5	5
			6	6	6
			7	7	7
			8	8	8
			9	9	9
			10	10	10
			11	11	11
			12	12	12
			13	1	1
			14	2	2
504			15	3	3
			16	5	5
			17	8	8
			18	9	9
			19	10	10
			20	11	11
			21	12	12
507			22	22	22
			23	1	1
			24	2	2
			25	3	3
			26	4	4
			27	8	8
			28	9	9
			29	10	10
			30	11	11
			31	12	12

505

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## FIG. 6

COMPOUND WBS DEFINITION TABLE 114

601 UPPERMOST MASTER WORK ID	602 WORK STAGE NUMBER	603 WORK ID	604 PROJECT ID NAME	605 ALL MANDAYS	606 PROGRESS DEGREE (%)
1	1	1, 13, 23	A PRODUCT, A-SCREEN PART, A-LIBRARY PART	36	100
2	2	2, 14, 24	A PRODUCT, A-SCREEN PART, A-LIBRARY PART	24	100
3	3	3, 15, 25	A PRODUCT, A-SCREEN PART, A-LIBRARY PART	6	100
4	3	4, 26	A PRODUCT, A-LIBRARY PART	7	100
5	3	5, 16	A PRODUCT, A-SCREEN PART	12	100
6	2	6	A PRODUCT	12	100
7	3	7	A PRODUCT	12	100
8	1	8, 17, 27	A PRODUCT, A-SCREEN PART, A-LIBRARY PART	64	10. 6
9	2	9, 18, 28	A PRODUCT, A-SCREEN PART, A-LIBRARY PART	64	10. 6
10	3	10, 19, 29	A PRODUCT, A-SCREEN PART, A-LIBRARY PART	10	41
11	3	11, 20, 30	A PRODUCT, A-SCREEN PART, A-LIBRARY PART	27	3. 3
12	3	12, 21, 31	A PRODUCT, A-SCREEN PART, A-LIBRARY PART	18	0
22	1	22	A-SCREEN PART	1	0

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## FIG. 7

DOCUMENT REGISTRATION TABLE 115

701	702	703	704	705	
WORK ID	DOCUMENT NAME	DOCUMENT LOCATION	REGISTRATION DATE	REGISTRAR	
1	DEVELOPMENT PLAN	http://host1/...	11/14	KIMURA	
1	BASIC DESIGN	http://host1/...	11/20	KIMURA	706
2	FUNCTION DESIGN	http://host1/...	11/12	SAITOU	
3	FUNCTION SPECIFICATION	http://host1/...	11/30	KIMURA	
3	TEST REFERENCE	http://host1/...	11/25	SUZUKI	
4	TEST RESULTS	http://host2/...	11/20	SUZUKI	
4	RELIABILITY CHECK	http://host2/...	11/14	SUZUKI	
...	...	...	...	...	
9	MANAGEMENT.doc	http://host1/...	12/5	SUZUKI	707
10	GENERAL_CHECK.doc	http://host1/...	12/6	SUZUKI	
19	SCREEN_CHECK.doc	http://host1/...	12/5	OKAZAKI	
20	SCREEN.asp	http://host1/...	12/5	OKAZAKI	
29	CHECK_LIST.doc	http://host1/...	12/5	KONDOU	
...		...	...	...	

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## FIG. 8

COMPOUND WBS DOCUMENT REGISTRATION TABLE 116

801 UPPERMOST MASTER WORK ID	802 DOCUMENT NAME	803 DOCUMENT LOCATION	804 REGISTRATION DATE	805 PROJECT ID NAME	806 REGISTRAR
1	DEVELOPMENT PLAN	http://host1/...	11/14	A PRODUCT	KIMURA
1	BASIC DESIGN	http://host1/...	11/20	A-SCREEN PART	KIMURA
2	FUNCTION DESIGN	http://host1/...	11/12	A-SCREEN PART	SAITOU
3	FUNCTION SPECIFICATION	http://host1/...	11/30	A-SCREEN PART	KIMURA
3	TEST REFERENCE	http://host1/...	11/25	A-SCREEN PART	SUZUKI
4	TEST RESULTS	http://host2/...	11/20	A-LIBRARY PART	SUZUKI
4	RELIABILITY CHECK	http://host2/...	11/14	A-LIBRARY PART	SUZUKI
...	...	...	...	...	...
9	MANAGEMENT.doc	http://host1/...	12/5	A PRODUCT	SUZUKI
10	GENERAL_CHECK.doc	http://host1/...	12/6	A PRODUCT	SUZUKI
10	SCREEN_CHECK.doc	http://host1/...	12/5	A-SCREEN PART	OKAZAKI
10	CHECK_LIST.doc	http://host1/...	12/5	A-LIBRARY PART	KONDOU
11	SCREEN.asp	http://host1/...	12/5	A-SCREEN PART	OKAZAKI
...	...	...	...	...	...

807

808

FIG. 8 is a table.



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## FIG. 9

## LOW LEVEL PROJECT CREATION SCREEN EXAMPLE

LOW LEVEL PROJECT CREATION SCREEN

LOW LEVEL PROJECT ID NAME: A-SCREEN PART 901

HIGH LEVEL PROJECT ID NAME: A-PRODUCT 902

903 WBS

904 ☒ DESIGN

905 ☒ SPECIFICATION DESIGN

☒ FUNCTION SPECIFICATION CREATION

☐ API SPECIFICATION CREATION

☒ SCREEN SPECIFICATION CREATION

906 ☐ DB LOGIC DESIGN

☐ LOGIC DATA MODEL

907 ☒ MANUFACTURE

☒ SOURCE CREATION

☒ CHECK LIST CREATION

☒ CODING

☒ ERROR CHECK

MANDAY DAYS 908

0	12	909
0	5	
2	2	
4	4	
0	21	
0	21	
3	3	
9	9	
6	6	

910

ADDED WORK NAME: DEMO 911

OK 911

PROJECT CREATION 912

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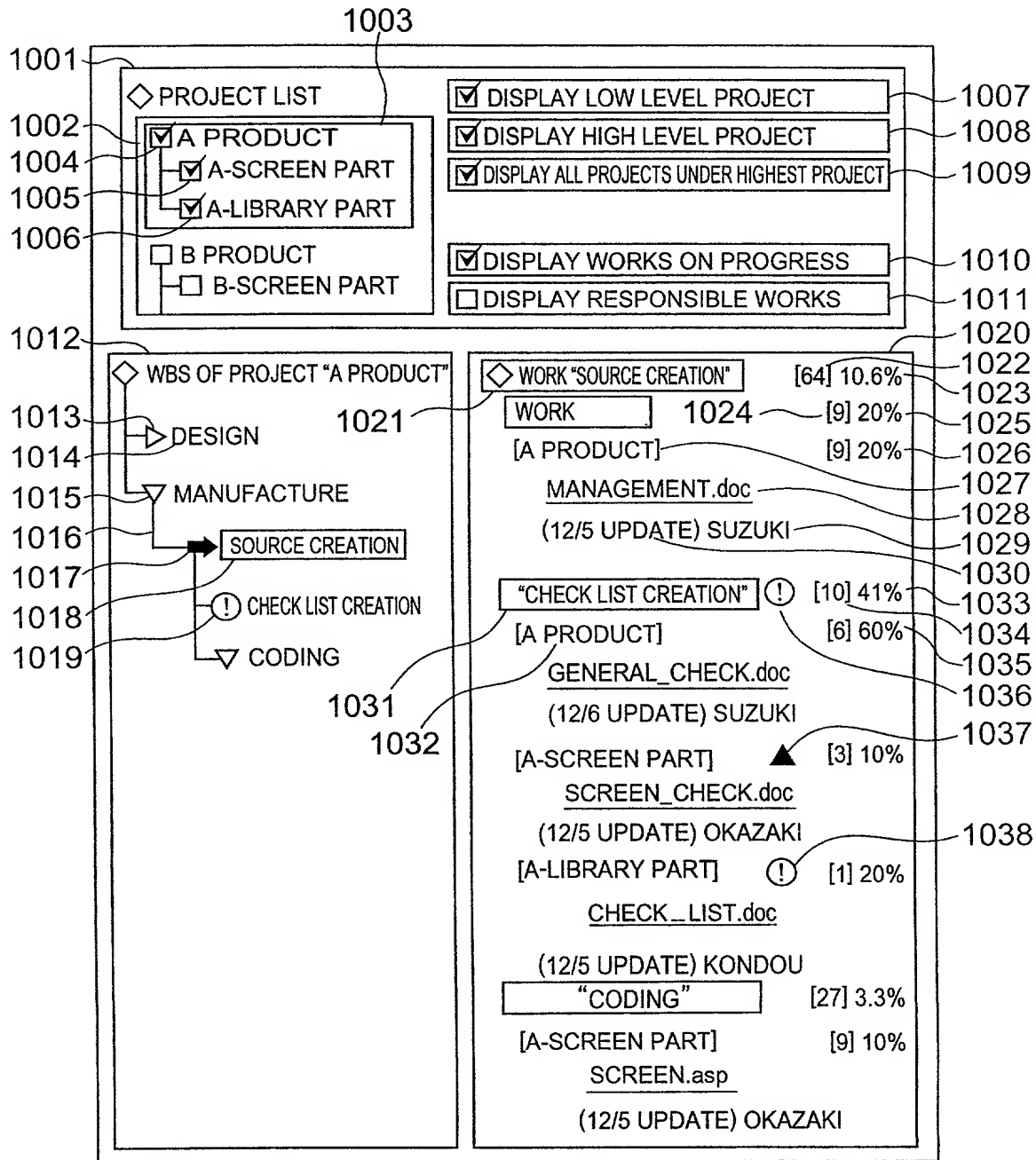
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FIG. 10

## PROJECT INFORMATION DISPLAY SCREEN EXAMPLE



## FIG. 11

## LOW LEVEL PROJECT CREATING UNIT 121

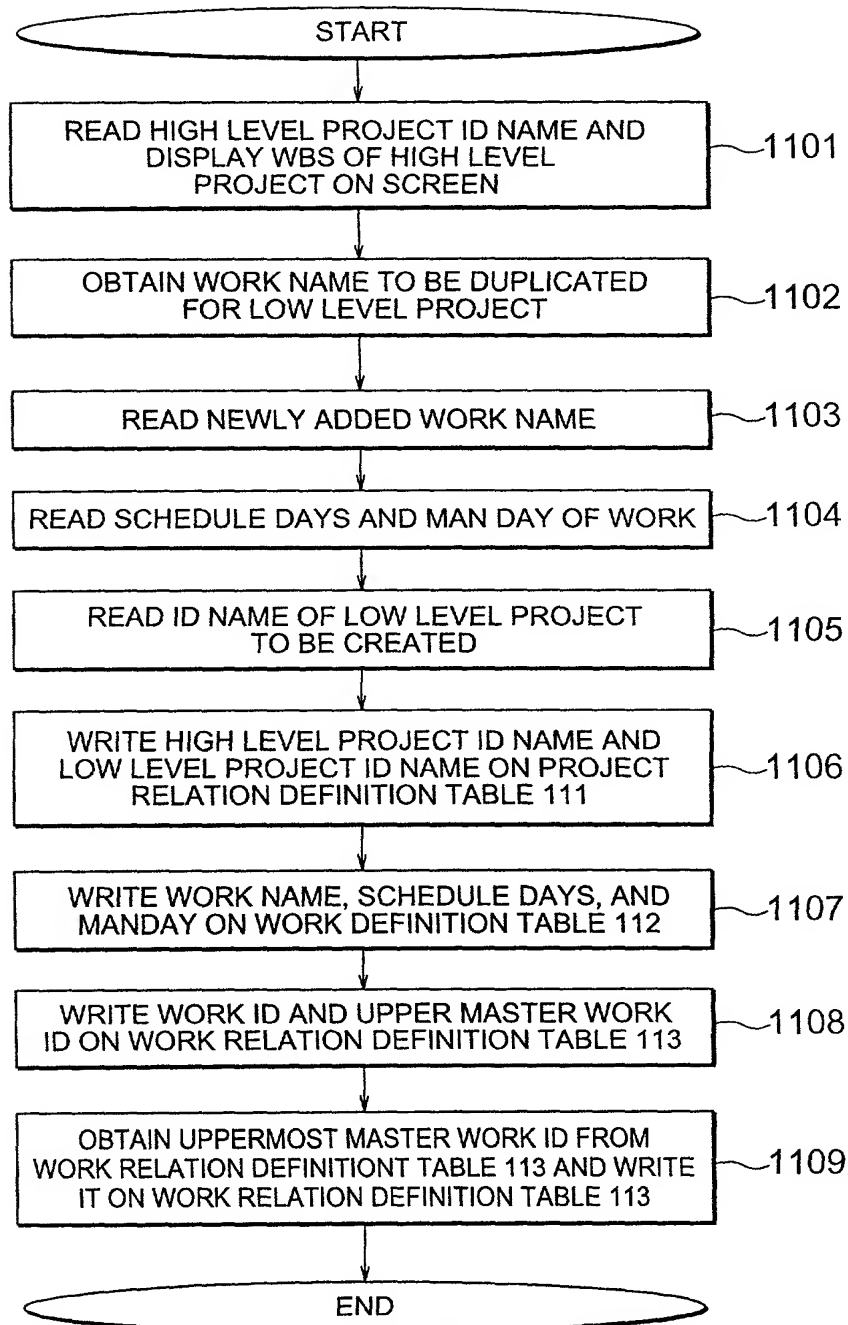


FIG. 11

FIG. 12

## DISPLAY PROJECT DETERMINING UNIT 123

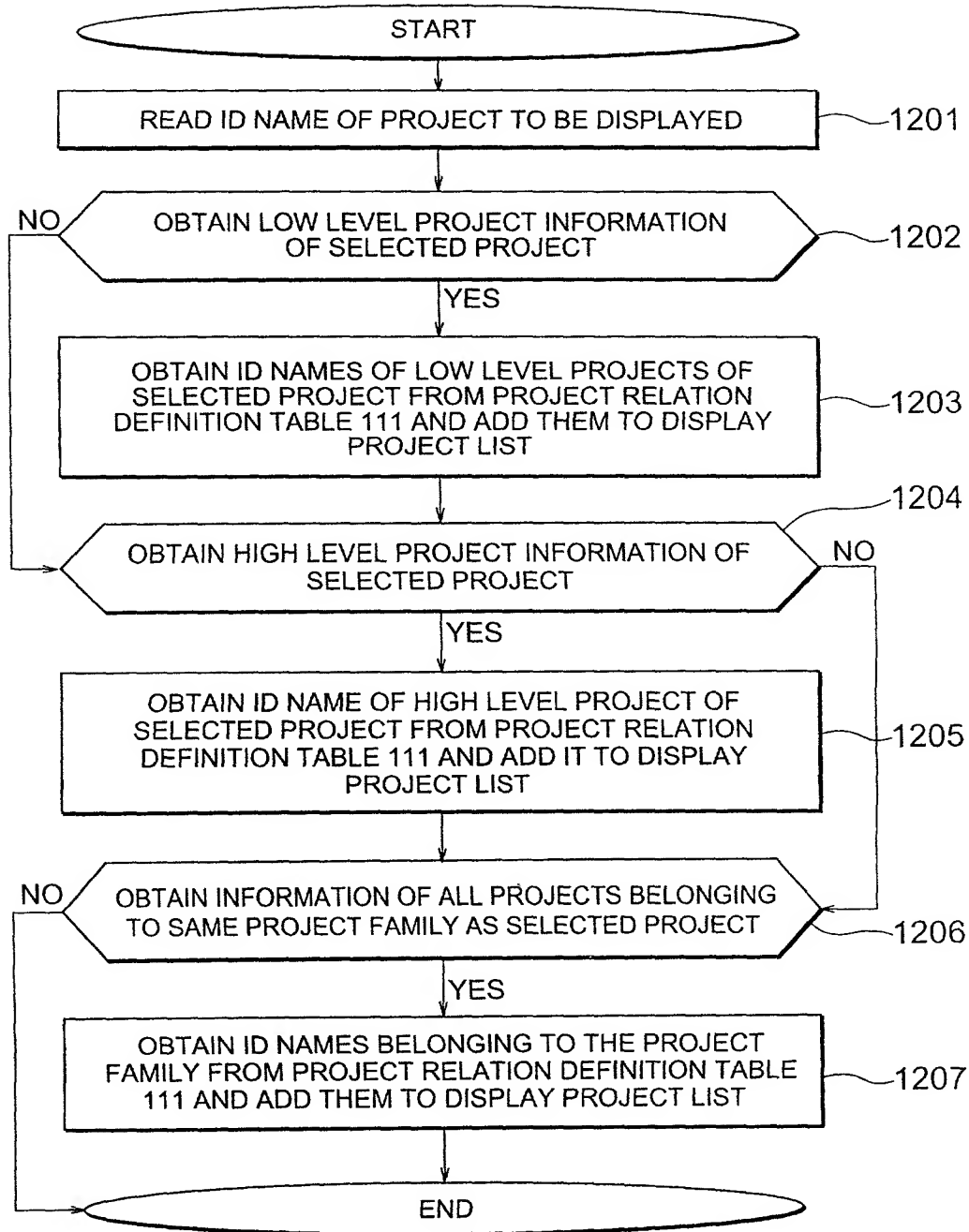


FIG. 13  
WBS COMPOSING UNIT 124

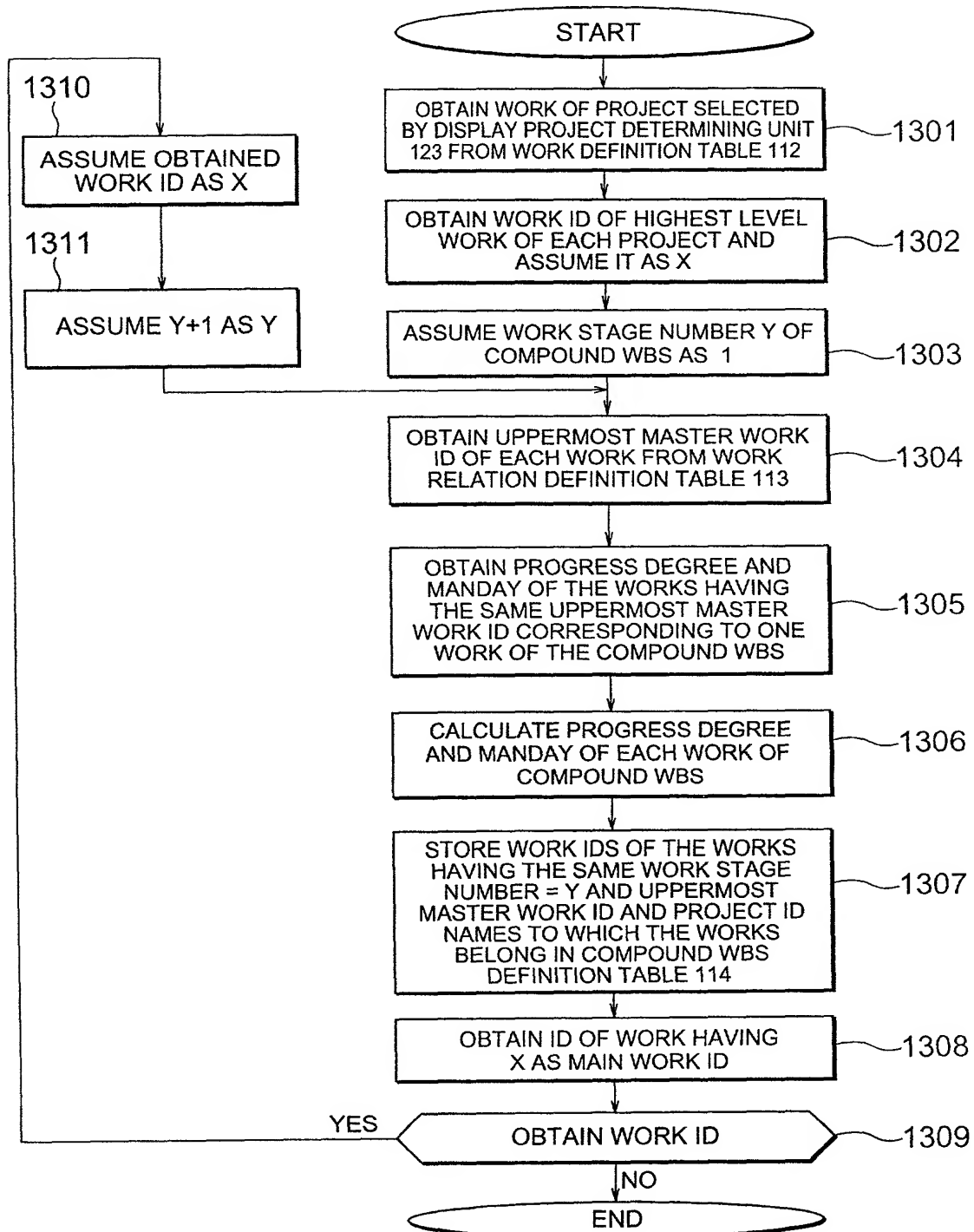
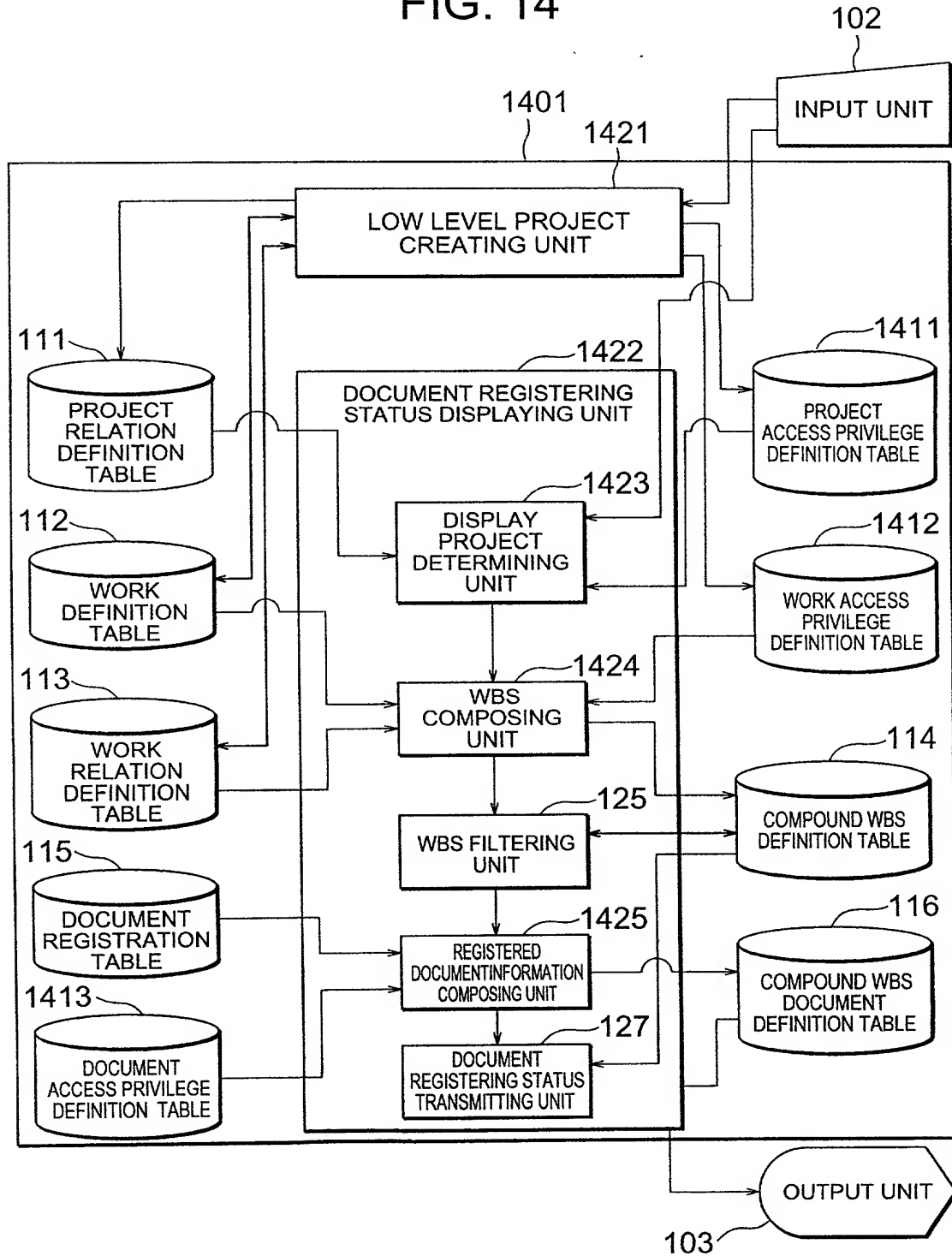


FIG. 14



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## FIG. 15

PROJECT ACCESS PRIVILEGE DEFINITION TABLE 1411

1501 PROJECT ID NAME	1502 ACCESSIBLE PROJECT ID NAME	1503
A PRODUCT	A PRODUCT, A-SCREEN PART, A-LIBRARY PART	
A-SCREEN PART	A PRODUCT, A-SCREEN PART, A-LIBRARY PART	
A-LIBRARY PART	A PRODUCT, A-LIBRARY PART	

## FIG. 16

WORK ACCESS PRIVILEGE DEFINITION TABLE 1412

1601 WORK ID	1602 ACCESSIBLE PROJECT ID NAME	1603
1	A PRODUCT	
2	A PRODUCT, A-SCREEN PART	
3	A PRODUCT, A-SCREEN PART	
4	A PRODUCT, A-SCREEN PART	
5	A PRODUCT, A-SCREEN PART	
6	A PRODUCT, A-SCREEN PART	
...	...	
12	A PRODUCT, A-SCREEN PART	
...	...	

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## FIG. 17

DOCUMENT ACCESS PRIVILEGE TABLE 1413

1701 WORK ID	1702 DOCUMENT NAME	1703 ACCESSIBLE PROJECT ID NAME	1704
1	DEVELOPMENT PLAN	A PRODUCT	
2	BASIC DESIGN	A PRODUCT, A-SCREEN PART	
3	FUNCTION DESIGN	A PRODUCT, A-SCREEN PART	
4	FUNCTION SPECIFICATION	A PRODUCT, A-SCREEN PART	
5	TEST REFERENCE	A PRODUCT, A-SCREEN PART	
6	TEST RESULTS	A PRODUCT, A-SCREEN PART	
...	...	...	



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## FIG. 18

## LOW LEVEL PROJECT CREATION SCREEN EXAMPLE

**LOW LEVEL PROJECT CREATION SCREEN**

LOW LEVEL PROJECT ID NAME:  901

HIGH LEVEL PROJECT ID NAME:  902

903 ☐ WBS

904 ☒ DESIGN

☒ SPECIFICATION DESIGN

☒ FUNCTION SPECIFICATION CREATION

☐ API SPECIFICATION CREATION

☒ SCREEN SPECIFICATION CREATION

905 ☐ DB LOGIC DESIGN

906 ☐ LOGIC DATA MODEL

907 ☒ MANUFACTURE

☒ SOURCE CREATION

☒ CHECK LIST CREATION

☒ CODING

☒ ERROR CHECK

908

MANDAY	DAYS	909
0	12	A PRODUCT
0	5	A PRODUCT
2	2	A PRODUCT
		A PRODUCT
4	4	A PRODUCT
		A PRODUCT
		A PRODUCT
0	21	A PRODUCT
0	21	A PRODUCT
3	3	A PRODUCT
9	9	A PRODUCT
6	6	A PRODUCT
		A-LIBRARY PART

1801

1803

1802

1804

911 ADDED WORK NAME:  910

1805 ACCESSIBLE PROJECT :

1806 ☒ A PRODUCT

☒ A-LIBRARY PART

912

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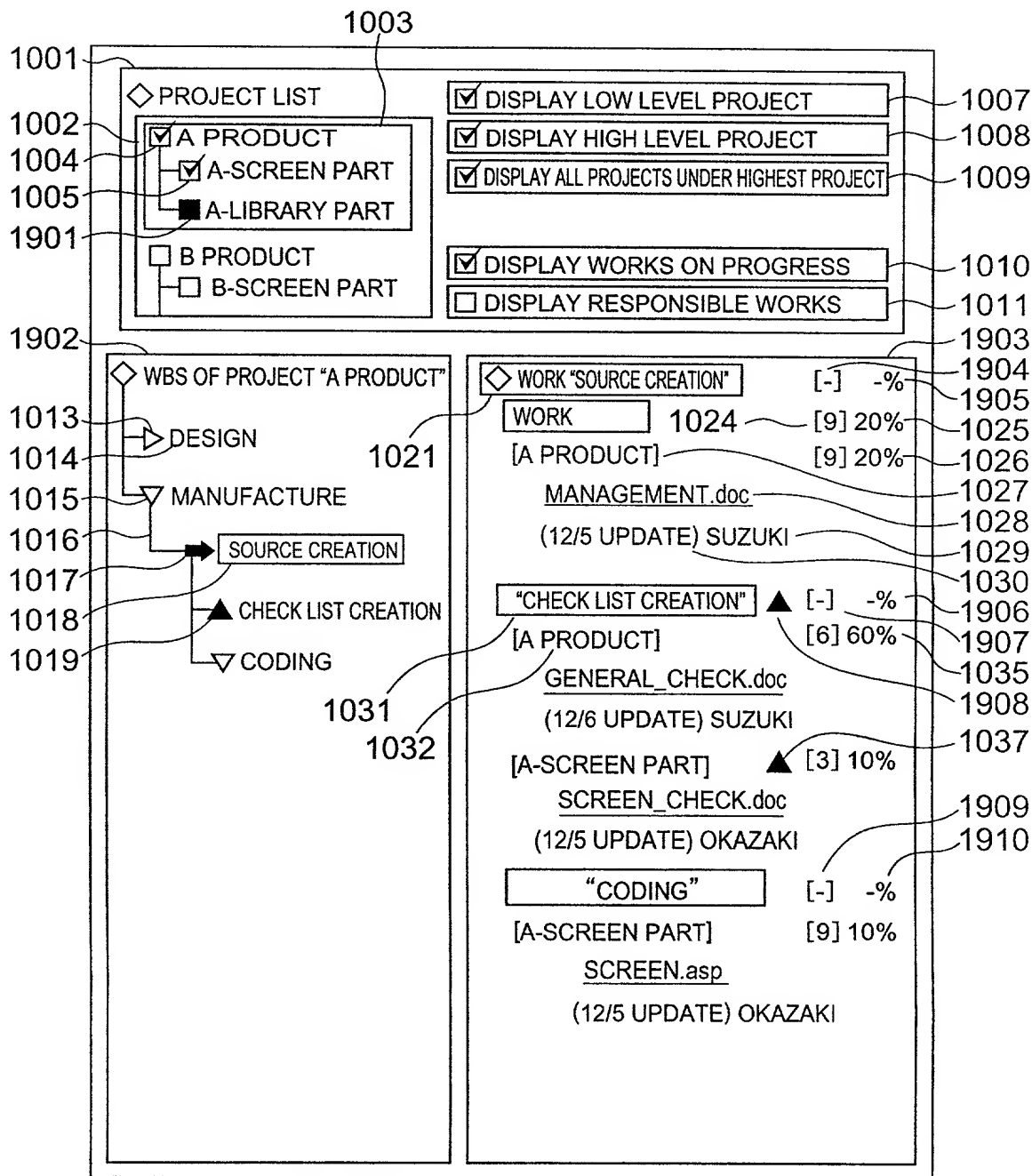
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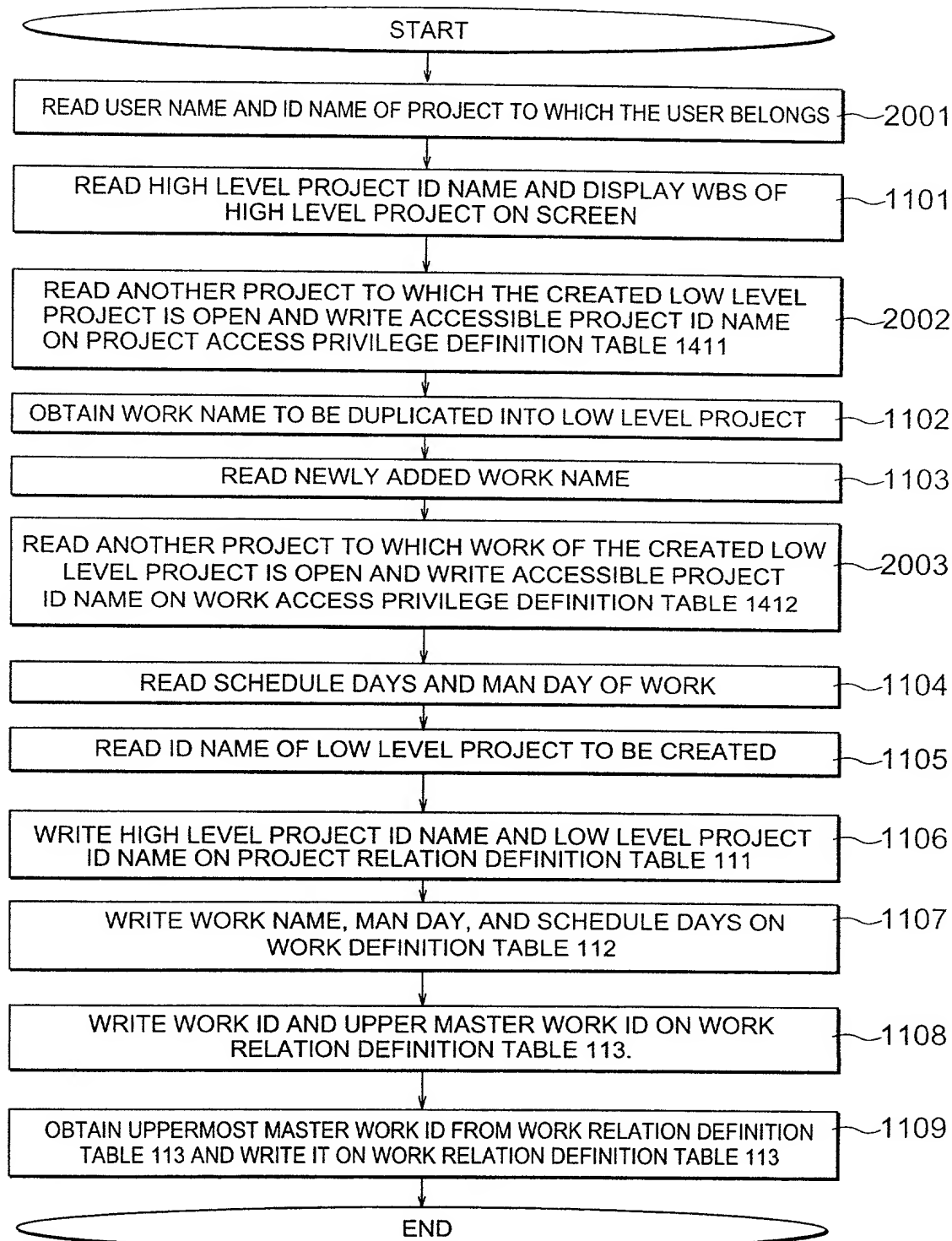
## FIG. 19

## PROJECT INFORMATION DISPLAY SCREEN EXAMPLE



## FIG. 20

## LOW PROJECT CREATING UNIT 1421



## FIG. 21

## DISPLAY PROJECT DETERMINING UNIT 1423

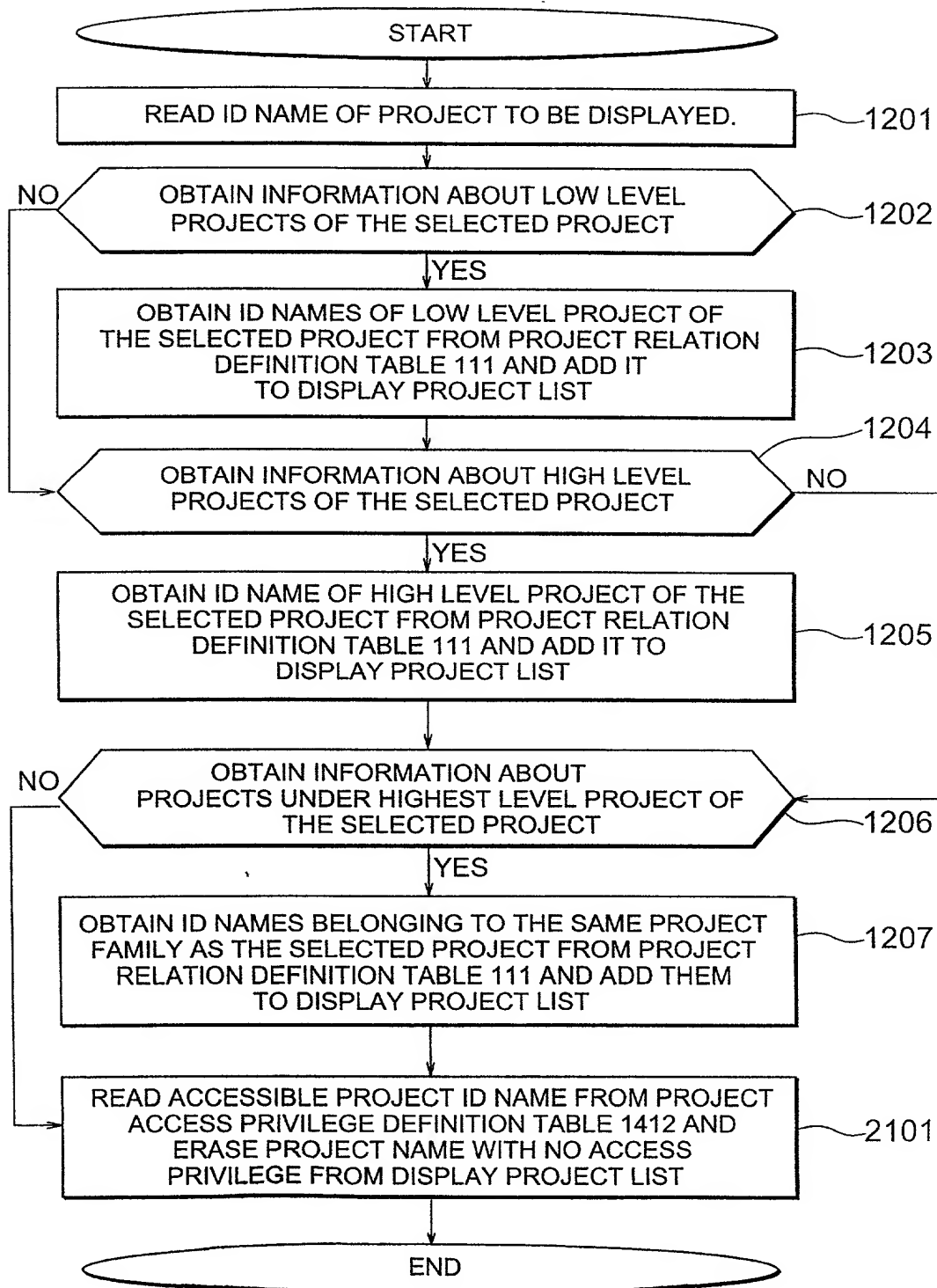


FIG. 22

## WBS COMPOSING UNIT 1424

